"TO BE REMOVED FOR USE BY THE OCCUPANT."

Jason International, Inc.
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North Little Rock, AR 72118
www.jasoninternational.com

JASON HYDROTHERAPY

49-1000-016
Date 07/10

OWNER'S MANUAL

forma® Air-Whirlpool Baths
INSTALLATION, OPERATION, AND MAINTENANCE

If the carton shows sign of damage, inspect the product before accepting and describe the problem on the Bill of Lading.

INSPECTION

Inspect the unit prior to installation. In the event of a problem, DO NOT install the unit. All components are factory assembled to the bath and the unit is water tested and inspected prior to leaving Jason International, Inc.

Inspection of the unit prior to installation is the responsibility of the installer. All components are factory assembled to the bath and the unit is water tested and inspected prior to leaving Jason International, Inc. If the carton shows sign of damage, inspect the product before accepting and describe the problem on the Bill of Lading.

Note: Transportation and insurance from Jason's factory are the buyer's responsibility.

Damage sustained in transit is the responsibility of the carrier. If damage is discovered, the carrier must be immediately notified in writing with a request for a representative to inspect the unit. Failure of the carrier to respond should be reported to the seller and carrier. Always file a freight claim promptly.

The installer is responsible for insuring that the unit is free from defects or shipping damage. In the event of a problem, DO NOT install the unit. Jason International is not responsible for damage that might have been avoided by inspection or testing prior to installation.

Damage to the unit during installation will not be covered by warranty and is the responsibility of the installer. ALL WARRANTY CLAIMS ON ACRYLIC SURFACE DAMAGE MUST BE MADE PRIOR TO INSTALLATION. Inspect plumbing and bath surface for missing or damaged components. Alert your dealer of any discrepancies.

To protect the unit from damage keep the bath in the carton until ready for installation.

EQUIPMENT ACCESS

In accordance with Building Codes, service access to all therapy bath equipment, controls and electrical connections must be provided during installation (see **Table 1 - Specifications** for minimum access size). Access must be provided for both the pump/control and the blower/control equipment. Insufficient access will hinder repair and maintenance. Warranty service will not cover costs of providing equipment access.

CAUTION: DO NOT LIFT OR HANDLE THE BATH BY ITS PLUMBING.

OWNER'S RECORD

Dealer: _____

Date Purchased: _____

Date Installed: _____

Installer: _____

PLACE SERIAL NUMBER CARD WITH PRODUCT CONFIGURATION IN THIS BOX

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INSTALLATION INSTRUCTIONS

TABLE 1 - SPECIFICATIONS						
forma ® Collection Air-Whirlpool						
Model	Overall Dimension L x W x H (in.) L x W x H (cm.)	Operating Capacity Gal Liter	Blower 120v / 240v HP	Pump 120v / 240v HP	Min. Size Access W x H (in.) W x H (cm)	Floor Loading lbs/ft² kg/M²
AC553	66 x 36 x 22	39	1	1.5	36 x 17	54.7
	168 x 91 x 56	148			91 x 43	267
AC630	72 x 36 x 22	45	1	1.5	36 x 17	56.7
	183 x 91 x 56	170			91 x 43	277
AC635	72 x 42 x 22	56	1	1.5	36 x 17	52.9
	183 x 107 x 56	212			91 x 43	258
AE553	66 x 36 x22	44	1	1.5	36 x 17	58
	168 x 91 x 56	167			91 x 43	283
CN550	60 x 60 x 22	66	1	1.5	36 x 17	51.9
	152 x 152 x 56	250			91 x 43	253
DA500	60 x 60 x 20.5	55	1	1.5	36 x 17	49.5
	152 x 152 x 52	208			91 x 43	242
RC553	66 x 36 x 22	45	1	1.5	36 x 17	53.3
	168 x 91 x 56	170			91 x 43	260
RC630	72 x 36 x 22	50	1	1.5	36 x 17	52.5
	183 x 91 x 56	189			91 x 43	256
RC635	72 x 42 x 22	58	1	1.5	36 x 17	52.9
	183 x 107 x 56	219			91 x 43	258
RE525	60 x 30 x 20.5	38	1	1.5	36 x 17	61.6
	152 x 76 x 52	144			91 x 43	301
RE525 SL/SR	60 x 30 x 20.5	38	1	1.5	36 x 17	64.3
	152 x 76 x 52	144			91 x 43	314
RE527	60 x 32 x 20.5	39	1	1.5	36 x 17	59.5
	152 x 81 x 52	148			91 x 43	291
RE527 SL/SR	60 x 32 x 20.5	39	1	1.5	36 x 17	64.4
	152 x 81 x 52	148			91 x 43	314
RE553	66 x 36 x 22	47	1	1.5	36 x 17	55.2
	168 x 91 x 56	178			91 x 43	270
RE630	72 x 36 x 22	53	1	1.5	36 x 17	54.1
	183 x 91 x 56	201			91 x 43	264

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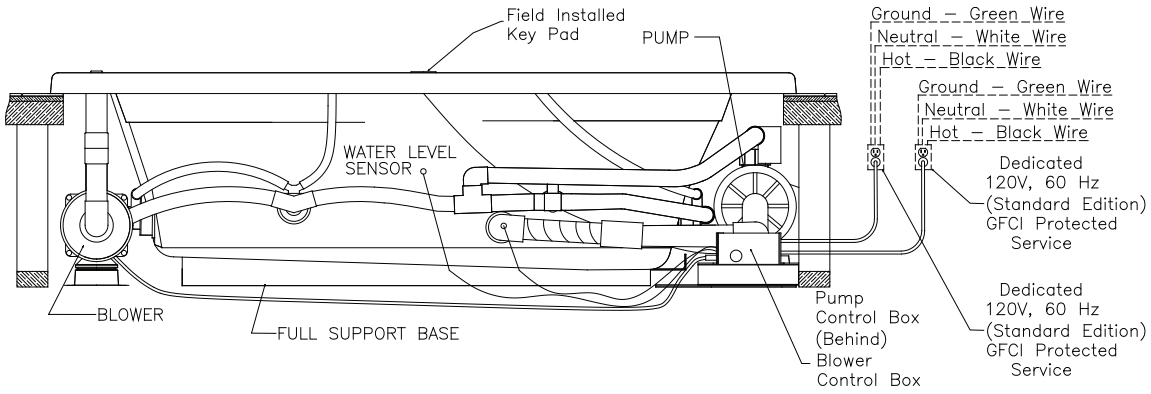
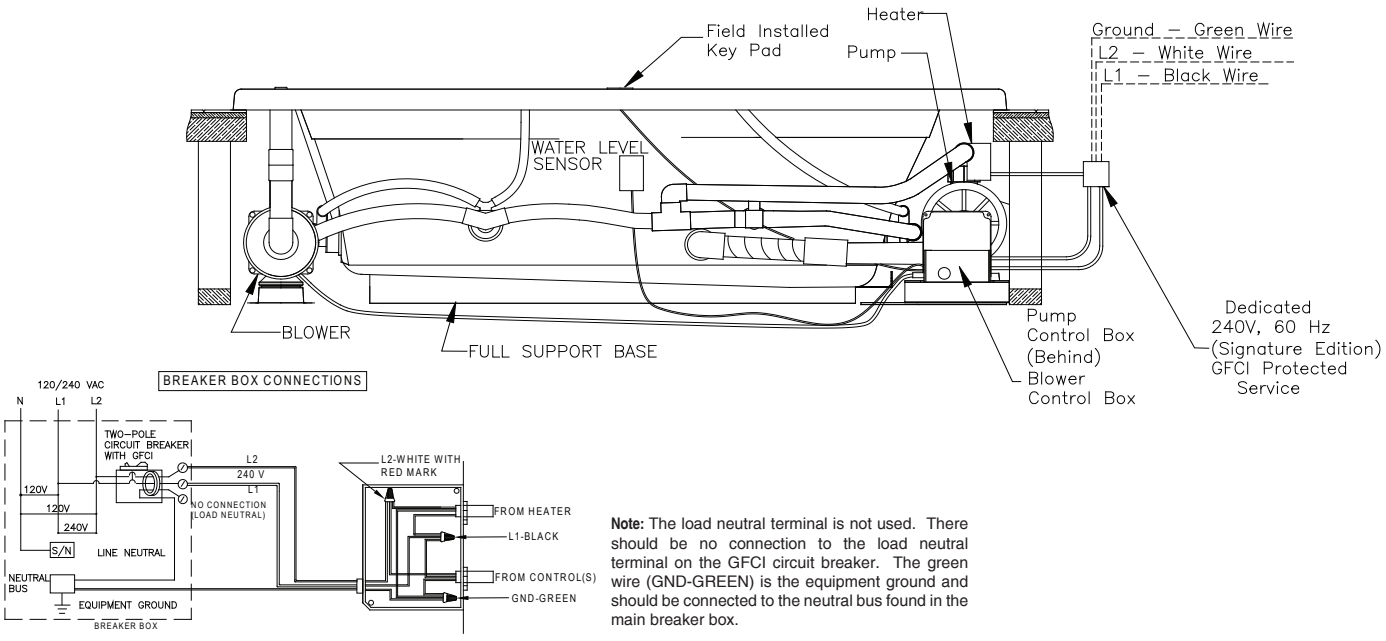
Figure 1



STANDARD EDITION AIR-WHIRLPOOL

Figure 1A



Note: The load neutral terminal is not used. There should be no connection to the load neutral terminal on the GFCI circuit breaker. The green wire (GND-GREEN) is the equipment ground and should be connected to the neutral bus found in the main breaker box.

SIGNATURE EDITION AIR-WHIRLPOOL

Figure 2

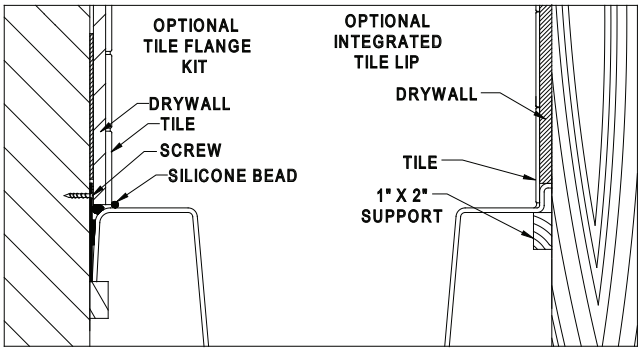
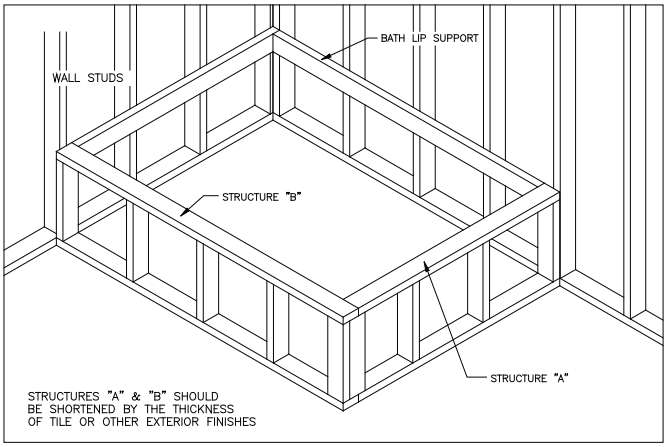


Figure 3



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INSTALLATION

See the USER MAINTENANCE INSTRUCTIONS on page 12 prior to installation for humidity and mold prevention suggestions.

1. **Finish Frame**

   a. A finish frame under the shell rim should also always be constructed to support the bath deck and insure proper drainage toward the bath well. This frame is not intended to support the full bath weight (**see Figures 2 & 3**).

   100% Silicone with mildew resistant properties should be applied between the water resistant backer board and the deck of the bath.

   NOTE: If you use a tile flange kit, modify the framing to support the bath lip as shown in **Figure 2.**

   Jason offers a removable lateral skirt for most baths. The skirts are available in matching acrylic colors and provide convenient access to bath equipment as well as an excellent finished appearance. However, if Jason's lateral skirt is not used, an access panel MUST be provided to enable final electrical connections and service. Please refer to the minimum recommended access panel size in **Table 1 - Specifications.**

   WARNING: Any modification to the equipment is not recommended and **will void the Manufacturer's warranty.**

2. **Rough-in the plumbing for the drain and overflow assembly.** At this time, considerations should be made for the position and mounting of the faucet set, as well as all related plumbing. If a Jason Double Cascade™ is provided, please refer to the included instructions and install at this time.

3. **Level the bath and remove packing board:**

   a. **Install the bath level for proper drainage.** Jason baths are designed to be supported at the base of the bath. If the floor is smooth and level, the baths' Level Form™ Base will provide proper drainage and support. **(See Figure 1** and **Figure 1A.)** If a Jason lateral skirt is to be used, the bath deck must be leveled at 20.5" [52 cm] from the support flooring or the skirt will not fit properly.

   Mortar is required when the subfloor is not smooth and level; when additional sound insulation is desired; or when the bath is installed in a drop-in application. In alcove installations, a bed of mortar may also be recommended to aid in leveling the bath. **Note:** Do not use a sand bed to install or level the bath.

   b. Remove the packing board before installing the bath. The Air-Whirlpool bath is equipped with separate bath pump and blower support bases which are joined for shipment with packing boards. Detach the packing board from the bath and from underneath the blower and pump.

4. **Protect the acrylic bath surface from damage during installation with a suitable material, i.e., cardboard and/or plastic film.**

5. **Install the drain and overflow assembly** to the bath according to the instructions provided with the drain and position the bath in the area of intended installation.

6. **Secure the bottom of the blower and pump mount so that it is level with thebottom of the bath.** Position the bath in the area of intended installation and cut the blower and pump support strap(s) to allow the blower and pump mount(s) to rest firmly on the floor. We recommend securing the blower and pump mounts to the floor with removable fasteners for ease of servicing.

7. A minimum ventilation opening of 2" x 4" (5 x 10 cm) for the blower is required, and should be designed to draw in indoor ambient air at a minimum of 22°C (72°F).

REMOTE MOUNTING OF AIR BLOWER

The Jason Air-Whirlpool system has been factory installed following E.T.L. Guidelines. During installation, if remote mounting of the blower is desired or required, the following procedures should be followed.

NOTE: Do not remote mount the blower more than 15 feet (4.5m) away from the air inlet of the bath. Choose a location as close as possible to the bath to assure maximum efficiency.

1. The installer must determine the layout of the piping; exact remote mount location; and service access before beginning any work. Use 1.5" (38mm) ABS or PVC plastic tubing. Locate the blower in an area accessible for servicing. **NOTE:** A 15 foot (4.5m) extension replacement cable set can be purchased from your Jason supplier, if needed. To insure proper functioning of the system, avoid remote mounting in a location which requires more than six (6) piping direction changes. A 90° direction change should be made up of two 45° elbows for maximum efficiency.

2. If the blower has been factory installed, disconnect the blower from the air bath plumbing by removing the two (2) screws on the check valve outlet and disconnect the short piece of flex pipe between the check valve and the elbow by removing the two (2) screws in the elbow. (Omit this step on baths where the blower is not factory installed and remote mounting is required.)

3. Install the blower in the remote location. The remote mount locations' ambient air temperature should remain at approximately 22°C (72°F) for optimum air heating. Make sure the blower is well ventilated. The blower mount should be attached firmly to the floor. Piping between the remote blower location and the bath can be insulated using a minimum of 1/2" (13mm) thick insulation. Attach new piping to the elbow of the existing piping.

ELECTRICAL

WARNING: Verification of electrical requirements MUST be made

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before installation. Refer to the Pump and/or Blower labels for voltage and frequency requirements.

NOTE: Verify the electrical service to match either the 120v or 240v systems.

NOTE: The bath is designed for indoor use only. The electrical equipment must not be exposed to direct or indirect water or moisture contact. The electrical equipment must also be protected from dust and other airborne debris before, during, and after installation.

1. **Electrical Service:** A licensed electrician must provide the "dedicated" electrical service protected by a GFCI. The location of the GFCI must be at least five (5) feet (152 cm) away from the inside surface of the bath, accessible for regular testing. Use copper conductors only.

   WARNING: The electrical service to the GFCI must not be interrupted by any control device. Likewise, the electrical service from the GFCI to the bath control should be direct and not interrupted by a switch. Never use a switch in conjunction with a control device. This will **VOID THE MANUFACTURER'S WARRANTY.**

2. **GROUNDING IS REQUIRED**
   The unit should be installed by a qualified service representative and properly grounded.

3. **Standard Edition Control Box.** The blower and pump are prewired to their control boxes. The control boxes have a 36" (91 cm) cord with plug end. The blower and pump control boxes are mounted on a stand that is temporarily secured to the packing board for shipping. These boxes must remain on the control box bracket so that the two boxes can communicate properly through their infrared communication feature. During installation, the control box bracket and controls must be positioned horizontally and located to permit access for inspection and servicing. The blower control box must be plugged into a dedicated 120v (volt), 15A (amp), 60Hz (hertz), Ground Fault Circuit Interrupter (GFCI) protected circuit and the pump control must be plugged into another dedicated 120v, 20A, 60Hz, GFCI protected circuit.

   If an optional 1kw (kilowatt) heater is operated with this control, then the pump control and heater must be wired into a dedicated 30A (amp) service. Note: The pump and blower dedicated circuits must only power their specified controls.

4. **Signature Edition Control Box.** The blower and pump are prewired to individual control boxes. The control boxes have a 36" (91 cm) cord with a junction box connection. The blower and pump control boxes are mounted on a stand that is temporarily secured to the packing board for shipping. These boxes must remain on the control box bracket so that the two boxes can communicate properly through their infrared communication feature. During installation, the control box bracket and controls must be positioned horizontally and located to permit access for inspection and servicing. The blower and pump junction box must be connected into a dedicated 240v, 20A, 60Hz, GFCI protected circuit. Note: The pump and blower dedicated circuits must only power their specified controls.

   INSTALL SERVICE CONNECTION AT LEAST 6" (15cm) ABOVE SUB FLOOR.

   DANGER: Do not alter the factory installed wiring. All building materials and wiring should be routed away from the blower body or other heat-producing components of the unit.

   ALL LOCAL AND STATE ELECTRICAL AND PLUMBING CODES MUST BE OBSERVED. Where there are no local codes the **National Electric Code (NEC)** and **Uniform Plumbing Code (UPC)** shall be observed. It is the responsibility of the installer/owner to determine specific code compliance prior to installation of the product.

   NOTE: In the Commonwealth of Massachusetts, installation is to be done by a Massachusetts licensed plumber.

CLEANING

1. **Remove all loose debris.** Construction plaster or excess grout can be removed with the use of a wood (edge) trowel.

2. **Paint or tar stains** may need to be removed with a cleaner such as paint thinner, turpentine, or isopropyl alcohol (rubbing alcohol). Never allow the cleaner to soak against the acrylic surface for long periods of time. **Always rinse the surface immediately** following the use of cleaners.

   Note: Follow the manufacturers instructions for safe use of cleaning products. If the surface becomes scratched or dulled, it may be restored by using a quality plastic polish, like Novus Plastic Polish No. 2 (available from the Jason Dealer). **It is always preferable to protect the acrylic surface during installation to minimize cleanup and prevent surface damage.**

WATER TESTING

Before finishing the installation, it is recommended that the bath be water tested and the plumbing tested for leaks.

1. **Before water testing the bath,** make sure that all plumbing connections are tight. DO NOT OVERTIGHTEN.

2. **Fill and operate the bath.** Close the drain and fill the bath with water to at least 10 inches [25 cm] below the bath deck. The inlet temperature should not exceed 104°F (40°C) as this could damage the acrylic surface.

3. **Inspect the plumbing for leaks**.

4. **Turn the blower Off and then drain the water.** The bath unit and its plumbing are designed to drain after each use whether used as an air bath, soaking bath, or when taking a shower.

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CONTROL BOX CONNECTIONS

STANDARD EDITION AIR-WHIRLPOOL

Jason's Standard Edition Air-Whirlpool system features the best in luxury bathing for the leisure bath industry. To assure that your bath functions properly, both the pump control box and the blower control must be properly connected.

THE BLOWER CONTROL

The blower and keypad must be plugged into the proper receptacles for correct operation of the Air-Whirlpool system. See **Figure 4** for connections: (F) 8-pin mini-DIN terminal for the Air-Whirlpool keypad. (G) The power cord for the control box must be plugged into a 120v, 15 amp GFCI dedicated circuit. (H) Pre-wired power cord to the blower (I).

THE PUMP CONTROL BOX

The pump and water level sensor must be plugged into the proper receptacles for correct operation of the Air-Whirlpool system. See **Figure 4** for connections: (A) The power cord for the pump control box must be plugged into a 120v, 20 amp GFCI dedicated circuit (30 amp circuit if the optional heater is installed). This must be done before powering the blower control box, in order for the system to initialize correctly. (B) Pre-wired power cord to pump (C). (D) Two pin terminal for installation of the water sensor to the pump control box.

SIGNATURE EDITION AIR-WHIRLPOOL

Jason's Signature Edition Air-Whirlpool system is the most advanced bath manufactured by Jason International, Inc. and features the ultimate in luxury bathing for the leisure bath industry. Both the pump and the blower control boxes must be properly connected for the bath to function correctly.

THE BLOWER CONTROL BOX

The blower must be plugged into the proper receptacle for correct operation of the Air-Whirlpool system. See **Figure 4A** for connections: (H) Pre-wired power cord to the blower (I).

THE PUMP CONTROL BOX

The pump, keypad, LED light, ozone sanitation unit, and water level/temperature sensor must be plugged into the proper receptacles for correct operation of the Air-Whirlpool system. See **Figure 4A** for connections: (A) The junction box for the pump/blower control boxes and heater must be connected into a 240v, 20 amp GFCI dedicated circuit. (B) Pre-wired power cords to pump (C) and ozone unit (G). Eight-pin mini-DIN terminal for installation of Air-Whirlpool keypad (F). Six-pin mini-DIN terminals for the water/temperature sensor (D), and LED light (E) to the pump control box.

STANDARD EDITION AIR-WHIRLPOOL PARTS LIST

Pump
Blower
Blower Control Box
Keypad
Keypad Cable
Control Box Stand
Pump Control Box
Water Level Sensor Assembly

SIGNATURE EDITION AIR-WHIRLPOOL PARTS LIST

Pump
Blower
Heater
Keypad Cable
LED Light Assembly
Water Level Sensor
Pump Control Box
Blower Control Box
Keypad
Control Box Stand
Ozone Sanitation Unit

Figure 4

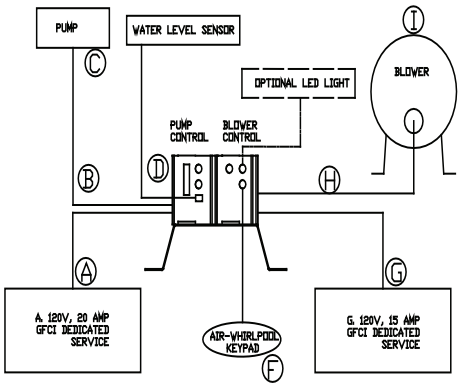
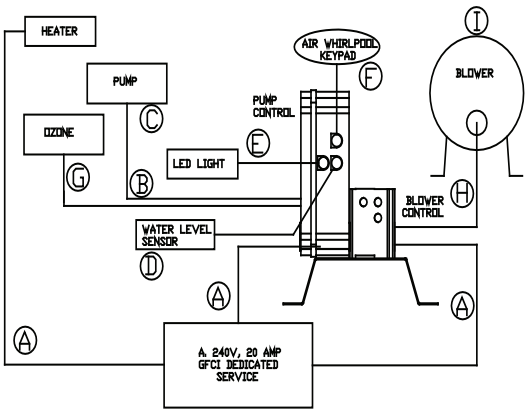


Figure 4A



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OPERATING INSTRUCTIONS , FEATURES, AND CONTROLS

INTRODUCTION

This manual contains all of the information needed for the proper installation and operation of your Jason Air-Whirlpool bath. The Air-Whirlpool bath has been designed to give you years of relaxing trouble-free service, provided the unit is maintained and operated in accordance with these instructions.

Thoroughly clean and disinfect the unit as described in the **CLEANING** section of the **USER MAINTENANCE INSTRUCTIONS** on page 12 before its first use and periodically thereafter.

CAUTION: Keep hair, towels, and clothing away from the suction fitting whenever the Air-Whirlpool equipment is On. Never operate the equipment with the suction cover off, doing so voids the manufacturer's warranty--it is a safety cover designed to eliminate the potential of hair and body entrapment.

All Jason Air-Whirlpool baths are pre-plumbed at the factory.

WARNING: Before operating refer to the instructions pertaining to the risk of fire, electric shock, or injury to persons on page 15.

JETS

Strategically placed whirlpool jets are provided for complete enjoyment of your bath. The jets are specially designed for maximum whirlpool action with either directional or rotational capabilities. By changing the direction of the jets, you can concentrate the massaging jet stream to your area of preference. You can also individually adjust the flow of each jet.

AIR VOLUME CONTROL

Two air controls are conveniently located for bather control. Turning the knob counter clockwise increases the air flow and turning the knob clockwise decreases the air flow. For maximum whirlpool effect, open the air controls completely. Restriction of the air controls will produce fewer air bubbles and a reduction in hydrotherapy performance.

PUMP

Pumps provided on Jason Air-Whirlpool baths are factory tested when assembled and retested after installation on the Air-Whirlpool bath. These pumps are of efficient design incorporating high quality long life seals which provide superior service. However, should the pump need service, suction and discharge unions are provided for easy pump removal.

FILLING AND DRAINING

Close the drain and fill the bath with water at least two (2) inches (5cm) above the jets. The inlet temperature should not exceed 40°C (104°F) as this could damage the acrylic surface.

When bath is in use, turn the unit Off before draining the water. The bath unit and its plumbing are designed to drain after each use whether used as an Air-Whirlpool bath, soaking bath, or just taking a shower.

BLOWER

The blower generates warm air and pushes it through the air jets. Blowers provided on Jason Air-Whirlpool baths are factory tested when assembled and again retested after installation on the Air-Whirlpool bath.

STANDARD EDITION AUTOMATIC PURGE

Fifteen minutes after the control has shut off and the bath is completely drained, the blower will start again for a two-minute purge cycle that dries the air channel. Note that the blower light will flash during the 15-minute pause before the purge cycle begins. Once the purge cycle begins, all indicators will light and the keypad operation will be disabled for two (2) minutes.

SIGNATURE EDITION AUTOMATIC PURGE

Twenty (20) minutes after the control has shut off and the bath is completely drained, the blower will start again for a two-minute purge cycle that dries the air channel. Note that the LCD display will read "PURGE" and begin to countdown the 10 or 20 minute pause before the purge cycle begins. The readout will display "PURGE ON" during the purge cycle.

Any time during the pause before the purge cycle begins, pressing and holding the Blower Speeds icon will reduce the pause from 20 minutes to 10 minutes. During the two-minute purge, pressing the "Blower On/Off" icon will stop the purge.

SIGNATURE EDITION DAILY PURGE

The daily purge can be activated through the customized settings of the Signature Edition touchpad. When activated the daily purge will start the blower for two-minutes at the same time everyday to dry the air channel. See 'Operating the Signature Edition Air-Whirlpool Touchpad' section on page 9 for details on activating this setting.

INITALIZATION OF SIGNATURE EDITION CONTROL SYSTEM

The pump and blower junction box must be connected to its dedicated service prior to filling the bath with water. **This will assure the control box is properly initialized (see Figure 4A).**

SIGNATURE EDITION UNIVERSAL REMOTE CONTROL

In addition to the main control console installed on the bath deck, a floating, waterproof Universal Remote Control is provided with all Signature Edition Air-Whirlpools. This remote control is capable of operating the same functions as the bath's main control console, plus the bather may remotely operate a TV, DVD, CD, etc. Refer to the **Instruction Manual** provided with the remote control for detailed instructions.

NOTE: If the unit fails to operate, check the breaker panel to

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insure that the circuit breaker is on. Check the GFCI by testing and resetting it. Also check the water level in the bath; it must be above the water level sensor located on the sidewall of the bath for the pump to operate. If the unit still fails to operate, refer to the Trouble Shooting Guide section of this manual. If the unit still fails to operate and is out of warranty, contact an authorized service technician for repair. If the unit is within the warranty period, contact JASON Technical Service at 800-255-5766. DO NOT ATTEMPT TO RESOLVE THE PROBLEM.

FEATURES AND CONTROLS

STANDARD EDITION AIR-WHIRLPOOL

Blower and Pump

The Jason Standard Edition Air-Whirlpool bath provides both an air bath and a whirlpool bath system. The air bath system includes a variable-speed, 1-HP air blower with heater (120v, 15A) and three (3) massage modes: Continuous, Wave, or Pulse. The whirlpool bath system includes a 1 1/2-HP, 1 speed pump or two each 1-HP, 1 speed pumps (120v, 20A); and a low water level sensor. Individual built in timers will shut the blower and pump off 20 minutes after being activated.

Touchpad

One main control touchpad mounted on the bath deck contains several icons used by the bather to control the blower, pump, and optional LED mood light. A built in timer shuts the blower and pump off 20 minutes after being activated. A purge cycle will automatically start the blower again for two (2) minutes, 15 minutes after the bath has been shut off. This should be done in order to dry out the air channels.

SIGNATURE EDITION AIR-WHIRLPOOL

Blower and Pump

The Jason Signature Edition Air-Whirlpool bath provides both an air bath and whirlpool bath system. The air bath system includes a variable-speed, 1-HP air blower with heater; and three (3) massage modes: Continuous, Wave, or Pulse. The whirlpool bath system includes a 1 1/2-HP, 3 speed pump (240v, 20A), a 1-HP secondary pump, an automatic 1.5kw heater, and low water level and temperature sensors. An Ozone Sanitation system is also provided and will be operated any time the pump is powered. A built in timer shuts the blower and/or pump off 20 minutes after being activated.

Touchpad

A main control touchpad mounted on the bath deck features a LCD readout which alternately indicates the water temperature (+/- 5°F) and whirlpool or air bath time remaining. The Signature Edition touchpad allows the bather to control the blower, pumps, LED mood light, and optional jetted neck pillows. A built in timer shuts the pump and blower off 20 minutes after being activated. A purge cycle will automatically start the blower again for two (2) minutes, 10 to 20 minutes after the bath has been shut off and completely drained. This should be done in order to dry out the air channels. A daily purge can also be set to turn the blower on at the same time everyday. (See Operating the Signature Edition Air-Whirlpool Touchpad.)

Remote Control

In addition to the main control touchpad installed on the bath deck, a floating, waterproof Universal Remote Control is provided with all Signature Edition Air-Whirlpools. This remote control provides the same control functions as the bath's main control console, plus the bather may remotely operate a TV, DVD, VCR, CD, etc. Refer to the Instruction Manual provided with the remote control for detailed instructions.

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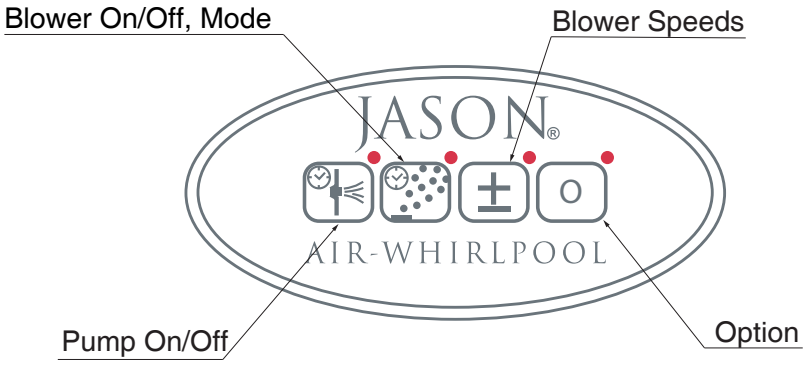
STANDARD EDITION AIR-WHIRLPOOL TOUCHPAD

The Jason Standard Edition Air-Whirlpool touchpad is used to access all ofthe functions of the pump and blower controls. The Air-Whirlpools 1-speed whirlpool pump can be operated simultaneously or separately from the blower.



OPERATING INSTRUCTIONS

Pump On/Off Icon

The Pump icon is used to activate the whirlpool pump and the 20-minute timer.

- Pressing the icon the first time starts the pump.
- Pressing the icon again will shut the pump off.

Blower On/Off Icon

The Blower icon is used to activate the blower and the 20-minute timer.

- Pressing the icon the first time starts the blower in the constant high speed mode.
- Pressing the icon again begins the wave mode, indicated by a slow flashing light.
- Pressing the icon a third time will change the blower to pulse mode. This is indicated by a rapid light flash.

Blower Speeds Icon

The Blower Speeds icon is used to increase or decrease the blower speed once the blower is On.

- Press and hold the icon to decrease the blower speed until the desired intensity is reached, then release.
- Press and hold the icon again to increase the blower speed until the desired intensity is reached.

The blower will return to its highest speed on any mode change.

Option

The Option icon is used to operate an optional LED light (if installed).

- Press the icon for less than two (2) seconds to turn the lights Off or On.
- Hold the icon for more than two (2) seconds to change modes.

This function has a two (2) hour timer and remembers the last mode.

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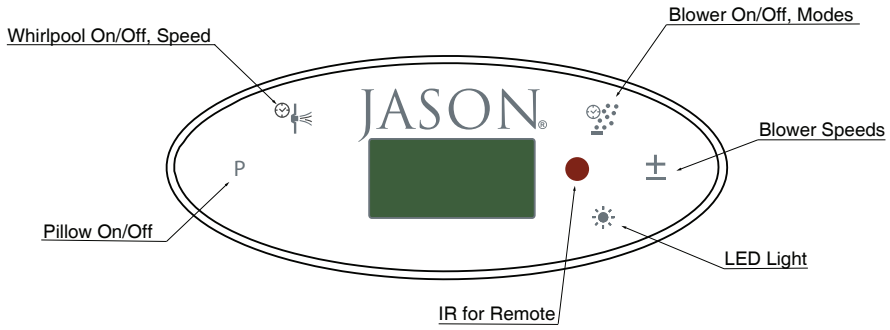
SIGNATURE EDITION AIR-WHIRLPOOL TOUCHPAD

The Jason Signature Edition Air-Whirlpool digital touchpad is used to access all the functions of the two (2) control boxes used on the Jason Signature Edition Air-Whirlpool bath. The Air-Whirlpool's 3-speed whirlpool pump can be operated simultaneously or separately from the blower.



OPERATING INSTRUCTIONS

Whirlpool On/Off (Pump Icon)

To control the operation of the whirlpool pump motor, press and hold for each setting: High, Medium, Low, or Off. A 20 minute decreasing timer will be initiated when the pump motor starts. Press and release the Pump icon once to display the current pump setting. The Pump icon lights when the water is at operating level and the LCD displays "System Ready". The LCD will display "Pump Off", "Pump High", "Pump Medium", or "Pump Low" when the key is pressed. It also toggles between Temperature and Timer at 5 second intervals. "Low Water" is displayed for 5 seconds if no water is detected.

Jetted Neck Pillow ("P" Icon) [Optional]

To control the operation of the jetted neck pillow, press and hold for each setting, you can set for a constant flow on both jets, a pulsing flow on both jets, or a pulsing alternating flow between jets. Press and release the Pillow icon once to display the current pillow setting. The Pillow icon will light whenever the pump is running. The solenoids will open for two (2) minutes to drain during the purge cycle countdown. The LCD will display "Pillow On", "Pillow Pulse1", "Pillow Pulse2", or "Pillow Off" while the key is pressed.

Blower On/Off and Modes (Blower Icon)

To control the operation of the blower, simply press and hold the key to change the setting to Constant, Wave, Pulse or Off. A 20 minute decreasing timer will be initiated when the blower motor starts. Press and release the Blower icon once to display the current blower mode and speed. The Blower icon should remain lit as long as the bath is connected to a power supply. The LCD will display "Const Air" and blower speed, "Wave Air" and blower speed, or "Pulse Air" and blower speed, while the key is pressed. The time remaining on the purge cycle is displayed after the bath has drained. "Purge Stop" is displayed while the key is pressed during the purge cycle. This action will terminate the purge cycle. The mode settings will be remembered on the next startup.

Blower Speeds (+- Icon)

Hold the key in Constant mode to go from High to Low then release and hold again to go from Low to High. Hold the key in Wave and Pulse mode to go from High to Medium and Medium to High. The system remembers the last speed setting on the next startup. The Blower Speeds icon will light up when the blower is running. The LED displays the blower speed from "10" (Low) or "55"(Med) to "99" (High) while the key is pressed. You can reduce the auto purge idle time from 20 minutes to 10 minutes, by pressing and holding the key for more than 5-seconds during the purge idle period.

LED Light (Light Icon)

Hold the key for less than two (2) seconds to turn the lights Off or On. Hold the key for more than two (2) seconds to change modes. The Light icon should remain lit as long as the bath is connected to a power supply. This function has a two-hour timer and remembers the last mode. The LCD displays "Light On" or "Light Off while the key is pressed for less than two (2) seconds, "Light Cycle" is displayed if pressed for more than two (2) seconds.

Option ("O" Icon)

This key is used to control the optional second jetted neck pillow on the LS640 model. See the Jetted Neck Pillow section above.

Customized Settings

The 12 character LCD display can be customized by pressing the Blower and Blower Speeds icon simultaneously for five (5) seconds, while the system is off. **NOTE**: The Blower

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icon will not be illuminated during this process. Use the above figure to locate the icons and LCD display. A menu will be displayed to choose the following: Purge 24, (starts the blower every 24 hours for two (2) minutes at the time the purge was set), Product Test Diagnostics, Temperature (F or C) and Language (English or Spanish).

Menu Instructions

Use the Blower icon to scroll through the different menu items. Use the Blower Speeds icon to change an option. For example, press and release the Blower icon to change from Purge 24 to Product Test, press and release again to arrive at the Temperature option. Press and release the Blower Speeds icon to change the temperature display from F (Fahrenheit) to C (Celsius).

Product Test Diagnostics

After selecting the Product Test option from the menu, the unit will perform a series of tests to confirm correct installation of components. The test will begin by displaying the configuration number, followed by the software revision number. Next, the auxiliary control box will be tested to ensure proper IR communication. The display will then test the Temperature and Low Water level sensor (ITW-209). Next, each of the six (6) icon buttons will begin to light. Press the illuminated button to proceed to the next icon. After the icon test, the pump will start for two (2) seconds on the High setting. Lastly, the LED Light unit will be tested. If you receive an error on any of the tests, confirm proper installation of component to the correct control box. (See **Figure 4A**.)

Remote Control

The Signature Edition control system includes a waterproof floating Universal Remote Control. It controls all bath functions plus a TV, DVD, CD, etc. which can be heard through the Sound Immersion Transducers (optional).

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USER MAINTENANCE INSTRUCTIONS

HUMIDITY

Warning: Avoid high humidity levels in your home. Mold, mildew, fungi and bacteria which may be harmful to health thrive in areas with continued high humidity levels; therefore, every precaution should be taken to make sure your plumbing fixtures including bathtubs, therapy baths, or showers do not become a source of high humidity due to improper installations or leaks.

To avoid having your plumbing fixtures become a source of unwanted humidity, please make sure the following steps are taken prior to installation.

1. Make sure the area where the bathtub or shower is installed is well vented and allows enough ventilation and air circulation to dry the bathroom environment within a short time after taking a bath or shower.
2. If your bath or shower unit is tiled-in, use units with an integral tile flange or make sure a tile flange kit or a similar mechanical barrier is installed to prevent shower spray, splash, or overflow to leak behind the bathtub.
3. Make sure the plumber properly tests your therapy bath before it is roughed in to make sure there are no leaks and it is installed with proper access to bath equipment.
4. Make sure that all the plumbing and fixtures in the bathroom are in good working order and have no leaks.
5. Do not use carpeting or other materials or furniture, which can hold moisture in your bathroom.
6. Use disinfectant to clean any bathroom surfaces which are regularly exposed to moisture.
7. Clean and disinfect humidifier and dehumidifiers as recommended by the manufacturer. Replace the air filter on the HVAC unit once a month.
8. Clean moldy surfaces as soon as any mold appears by using a detergent/soapy solution and appropriate household cleaner. Always use gloves during cleaning. Dispose of any sponges or rags used to clean mold.

CLEANING

With minimum care, your acrylic-surfaced bath will retain its high-luster finish for many years. For regular cleaning use Jason Bath Cleaner or a mild NONABRASIVE liquid detergent solution (i.e. glass cleaner) and a soft, wet cloth or sponge. Do not run the air system with foaming cleaners or soaps. Rinse the bath thoroughly after cleaning.

SURFACE MAINTENANCE

Areas with minor scratches or dull surfaces can be restored by applying commercially available plastic polish (i.e. Novus Plastic Polish No. 2, available at your Jason dealer), followed by an application of acrylic paste wax. Buff the surface with a clean soft cloth. Do not use sandpaper, steel wool, or abrasive rubbing compounds.

If scratches are too deep to rub out, or if the damage penetrates the acrylic surface, consult your dealer for recommendations on surface repair.

AIR HEATER AND AIR TEMPERATURE

The air heater incorporated into the air blower is designed to preheat the incoming air to body temperature, not to heat the bath water. The air heater automatically comes on when the air blower is activated.

Even though all Air-Whirlpool baths provide preheated air, occasionally some people with sensitive skin might experience a cold air sensation. This sensation is caused by the swiftly moving heated air bubbles blowing on the wet skin. This phenomenon can be related to the use of a fan for cooling on a hot day. While the ambient temperature does not change, the moving air makes you feel cooler. Avoiding this cold air sensation is among the reasons Jason avoids placing air jets directly beneath the body. If you experience a cool air sensation, which is most noticeable during the first few minutes of an Air-Whirlpool bath, simply move your body slightly away from the closest jets.

FLUSHING / SANITIZING

Upon start-up and not to exceed 90 days, your Air-Whirlpool bath and plumbing system should be flushed. Follow the Sani-Design™ Cleaning instructions provided with the bath.

REPAIR

Refer all plumbing or electrical repair to a qualified service technician. DO NOT ATTEMPT TO RESOLVE THE PROBLEM. This can result in danger of electrical shock or damage to the unit and will VOID THE WARRANTY. Remember, when contacting your dealer or service representative, always have your serial number, proof of purchase, and model number. This will insure a quick response on warranty items. The serial number can be found on the front page of this manual or on the small card adhered to the back of the bath just above the blower.

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TROUBLESHOOTING GUIDE

If you believe the unit to be within the warranty period, you must contact **Jason Customer Service: 1-800-255-5766** with the bath's Product and Serial numbers before work is started.

ALL WARRANTY REPAIRS MUST BE AUTHORIZED BY JASON BEFORE WORK IS STARTED.

FOR SERVICE, ALWAYS CONTACT YOUR DEALER OR AUTHORIZED SERVICE CENTER

WARNING: Always turn off power at the main electrical service panel when servicing the air bath.

Blower System of Air-Whirlpool Bath

Symptoms	Possible Causes	Recommended Action
Air bath system won't operate.	a) No power to air bath unit.	a) Reset circuit breakers and check GFCI. Check fuses and replace if bad.
	b) Blower motor is not plugged in.	b) Make sure plug is fully inserted into the outlet.
	c) Keypad is disconnected.	c) Check and reconnect if necessary.
Blower shuts off by itself or before time elapses.	a) Blower motor overheated and thermal protection device deactivated motor (possibly low voltage).	a) Check that blower has sufficient ventilation and that the intake into the blower is not blocked. Clear and allow the motor to cool down. (Check service & wire size.)
	b) GFCI tripped.	b) Refer to installer/dealer.
Circuit breaker trips repeatedly.	a) Defective breaker.	a) Replace breaker.
	b) Short circuit between bath and blower breaker box.	b) Refer to installer/dealer.
	c) Other items are connected to the same circuit.	c) Refer to installer/dealer.
Blower does not shut off.	a) Defective keypad or timer.	a) Refer to installer/dealer. Replace keypad or control.
Air bath does not function properly while in the Pulse or Wave mode (Signature Edition).	a) Blower speed setting is set too low.	a) Change to a mid-range air speed setting before switching over to Wave or Pulse modes.
Standard Edition Purge cycle won't operate.	a) Purge cycle was disabled.	a) Remove power to the bath, either by the circuit breaker or by unplugging and plugging in the blower from the supply outlet.
LED Chromatherapy light will not operate.	a) Light bulb is loose in the socket.	a) Access bulb and assure that it is properly installed.

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Pump System of Air-Whirlpool Bath

Symptoms	Possible Causes	Recommended Action
Pump system won't start.	a) No power to the pump unit.	a) Reset circuit breakers and check GFCI. Check fuses and replace if bad.
	b) Pump motor is not plugged in.	b) Make sure plug is fully inserted into the ourlet.
	c) Insufficient water.	c) Check and reconnect if necessary.
Pump operates, but no air is injected into water.	a) Air valves are closed.	a) Open air control valves.
	b) Airl line is clogged.	b) Refer to installer/dealer.
Pump operates, but water is not being pumped.	a) Suction or discharge blocked.	a) Remove obstruction.
	b) Suction air leak. (System usually surges.)	b) Make sure union is tight on suction side of the purmp.
Pump does not manually shutoff.	a) Defective keypad or control	a) Refer to installer/dealer. Replace keypad or control.
Pump unions leak.	a) Unions cracked, under-tightened, over-tightened, or O-ring is not seated properly (possibly pinched).	a) Refer to installer/dealer. Replace keypad or control.
Pump shuts off by itself before set time elapses.	a) Pump motor overheated and thermal protection device deactivated motor. (Possibly low voltage.)	a) Make sure motor air cooling vents are not blocked. Clear and allow motor to cool down. (Check service & wire size.)
	b) GFCI tripped.c) Water fell below recommended level.	b) Refer to installer /dealer.
		c) Fill to recommended level (2" [5cm] above jets).
Pump does not turn off after set time elapses.	a) Wiring error or control problem.	a) Refer to installer/dealer.
Pump will not turn off when water is drained from bath.	a) Water level sensor wires or ribon cables are shorted.	a) Inspect all sensor wires or ribbon cables for exposed or touching wires. Check for objects touching the back of the Signature low water level sensor unit. If problem continues, replace water level sensor unit.
LED light will not operate.	a) Light bulb is loose in socket.	a) Access bulb and assure it is properly installed in socket.

WARRANTY REGISTRATION: Register your product's warranty online at www.jasoninternational.com.

WARRANTY

Jason International, Inc. (Jason), warrants its baths to be free from defects in workmanship and materials as provided in the enclosed Warranty Statement and Warranty validation card.

The pre-addressed warranty registration card MUST be filled out by the purchaser within thirty (30) days from purchase and mailed to Jason International, Inc., in order for limited warranty to become effective.

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IMPORTANT SAFETY INSTRUCTIONS

INSTRUCTIONS PERTAINING TO THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

This manual contains information and instructions for proper operation and maintenance of your Air-Whirlpool bath. Failure to follow these instructions could result in personal injury, electrical shock, or fire.

WARNING: When using this unit, basic precautions should always be followed, including the following:

READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY

DANGER: TO REDUCE THE RISK OF INJURY FOLLOW THESE PRECAUTIONS:

A. Do not permit children to use this product unless they are closely supervised at all times.

B. Use this unit only for its intended use as described in this manual. Do not use attachments not recommended by the manufacturer.

C. The water in an Air-Whirlpool should never exceed 40°C (104°F). Water temperatures between 38°C (100°F) and 40°C (104°F) are considered safe for a healthy adult. Use time should be limited to approximately 30 minutes, followed by a shower to cool down. Longer exposures may result in hyperthermia. The symptoms of this condition are nausea, dizziness and fainting, and it can be fatal. Lower water temperatures are recommended for extended use (exceeding 10 -15 minutes) and for young children.

D. Since excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy, pregnant or possibly pregnant women should limit whirlpool water temperatures to 38°C (100°F).

E. The use of drugs or alcoholic beverages before or during Air-Whirlpool use may lead to unconsciousness with the possibility of drowning. Never use the Air-Whirlpool bath while under the influence of alcohol, anticoagulants, stimulants, antihistamines, vasoconstrictors, vasodilators, hypnotics, narcotics, or tranquilizers.

F. Persons with a medical history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician before using an Air-Whirlpool.

G. Persons using medication should consult a physician before using an Air-Whirlpool bath since some medication may induce drowsiness while other medication may affect heart rate, blood pressure, and circulation.

DANGER: To reduce the risk of injury, enter and exit the bath slowly.

Do not operate this unit unless the suction cover is attached over the suction inlet fitting and the jet assemblies are installed. There should be at least two (2) inches of water above the highest jet location during Air-Whirlpool bath operation. **NEVER RUN UNIT DRY.**

WARNING: Never operate electrically connected devices in or near the bath. Never drop or insert any object into any opening.

This unit must be connected to a supply circuit that is protected by a GFCI. Such a device should be installed by a licensed electrician and should be tested on a regular basis (at least monthly). To test the GFCI push the **TEST** button. The GFCI should interrupt the power. Push the **RESET** button and the power should be restored. If the GFCI fails to operate in this manner, there is the possibility of an electric shock. **DO NOT USE.** Disconnect the unit and have the problem corrected by a qualified service technician.

To avoid the possibility of personal injury and discoloration of the acrylic surface, the inlet water temperature should not exceed 40°C (104°F). The bath should be drained after each use. Each bather should start their bath with fresh water. Do not use oil base additives in your Air-Whirlpool bath.

CAUTION: Do not use harsh abrasives or solvents for cleaning this unit.

INSTALLER/OWNER BEARS ALL RESPONSIBILITY TO COMPLY WITH ALL STATE AND LOCAL CODES WHEN INSTALLING THIS PRODUCT.

SAVE THESE INSTRUCTIONS

JASON INTERNATIONAL, INC.

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